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Claims

1. A data exchange system:
with a mobile component (1), and
with a control device (2, 4), which is designed in such a way that it receives control commands from the mobile component (1) to control at least one consumer (5), converts said control commands into corresponding control signals and transmits said control signals via a data transmission path (9) to the consumer (5) which is to be controlled,
characterized in that
the mobile component (1) has an Internet interface to transmit control commands to the control device (2, 4), the control device (2, 4) is designed in such a way that it can evaluate control commands transmitted by the mobile component (1) via the Internet interface and can convert said control commands into a corresponding control of the consumers (5) connected to the data transmission path (9), and
in that the mobile component (1) has identification means (10) to identify the user of the mobile component (1), and the mobile component (1) and/or the control device (2, 4) are designed in such a way that the identification information supplied by the identification means (10) is evaluated in order to release access to the consumers (5) connected to the data transmission path (9) and/or individual functions of said consumers.

2. The data exchange system as claimed in claim 1,
characterized in that
the mobile component (1) is a mobile telephone.

3. The data exchange system as claimed in claim 1 or 2,
characterized in that

the control device comprises an interface device (2) as a communications interface between the mobile component (1) and a communications network (3).

4. The data exchange system as claimed in claim 3, characterized in that
the control device (2, 4) is controlled by the mobile component (1) in a different frequency range than that used for the transmission of communications information between the mobile component (1) and the interface device (2).

5. The data exchange system as claimed in one of the preceding claims,
characterized in that
the control device (2, 4), the data transmission path (9) and the consumers (5) which are to be controlled are accommodated in one housing unit.

6. The data exchange system as claimed in one of claims 1-5,
characterized in that
the data transmission path (9) is designed in the form of a bus line, via which a plurality of consumers (5) can be controlled with the aid of the mobile component (1) and the control device (2, 4).

7. The data exchange system as claimed in one of the preceding claims,
characterized in that
the control device (2, 4) is designed in such a way that a status query relating to the consumers (5) connected to the data transmission path (9) can be made via the control device (2, 4) with the aid of the mobile component (1).

8. The data exchange system as claimed in one of the preceding claims,
characterized in that

the consumers (5) connected to the data transmission path (9) can be controlled via a hierarchical menu structure which can be presented on a display unit (8) of the mobile component (1) when the control device (2, 4) is controlled by the mobile component (1).

9. The data exchange system as claimed in one of the preceding claims,
characterized in that
the mobile component (1) and the control device (2, 4) are designed in such a way that the control commands are transmitted via the Internet interface of the mobile component in accordance with the WAP protocol.